

1 **Claims**

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3 1) A pipe liner connector suitable for use with pipe
4 sections having an internal liner, the pipe liner
5 connector comprising a substantially cylindrical
6 sleeve having opposed open ends for sealed attachment
7 to the internal liner of a pipe section, and one or
8 more vents for balancing a pressure differential
9 between a micro-annulus, formed between the internal
10 liner and the pipe sections, and a bore defined by
11 the connected pipe sections.

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13 2) A pipe liner connector as claimed in Claim 1 wherein
14 the pipe liner connector further comprises a
15 shielding ring located between the opposed open ends.

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17 3) A pipe liner connector as claimed in Claim 2 wherein
18 the shielding ring is heat resistant so as to protect
19 the pipe liner connector from welding or a similar
20 heat inducing processes.

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22 4) A pipe liner connector as claimed in any of the
23 preceding Claims wherein an open end comprises a
24 diametrically increased ring section longitudinally
25 displaced from the opening towards the opposed open
26 end, said ring section having one or more venting
27 grooves located on the outer surface thereof and
28 extending longitudinally thereon.

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30 5) A pipe liner connector as claimed in Claim 4 wherein
31 the open end further comprises one or more seals
32 located between the opening and the ring section and

1 having a diameter intermediate of the cylindrical
2 sleeve and the ring section.

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4 6) A pipe liner connector as claimed in Claim 4 wherein
5 the one or more seals provide a liquid tight
6 connection with the internal surface of the liner
7 while the raised ring engages with the internal
8 surface of the pipe section.

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10 7) A pipe liner connector as claimed in any of the
11 preceding claims wherein an open end comprises one or
12 more circumferential grooves suitable for receiving
13 an adhesive and a second vent located between the one
14 or more circumferential grooves and the opening.

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16 8) A pipe liner connector for use with a pipe having an
17 internal liner, the pipe liner connector comprising a
18 substantially cylindrical sleeve having opposed first
19 and second open ends, wherein the first open end
20 comprises a first diametrically increased ring
21 section longitudinally displaced from the opening
22 towards the second open end, said ring section having
23 one or more venting grooves located on the outer
24 surface thereof and extending longitudinally thereon.

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26 9) A pipe liner as claimed in Claim 8 wherein the first
27 open end further comprises one or more seals located
28 between the first opening and the first ring section
29 and having a diameter intermediate of the cylindrical
30 sleeve and the first ring section.

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32 10) A pipe liner as claimed in Claim 8 or Claim 9 wherein
33 the second open end further comprises a second

1 diametrically increased ring section longitudinally
2 displaced from the opening towards the first open
3 end, said ring section having one or more venting
4 grooves located on the outer surface thereof and
5 extending longitudinally thereon:
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7 11) A pipe liner as claimed in Claim 10 wherein the
8 second open end further comprises one or more seals
9 located between the second opening and the second
10 ring section and having a diameter intermediate of
11 the cylindrical sleeve and the first ring section.
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13 12) A pipe liner as claimed in Claim 8 to Claim 11
14 wherein the pipe liner connector further comprises a
15 shielding ring located between the first and second
16 ring sections.
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